What is claimed is:

- 1. A method for calculating an Average Picture Value (APL), comprising:
- applying a fist weight to a red data;
 applying a second weight to a green data;
 applying a third weight to a blue data; and
 calculating the APL for the red, green and blue data
 with the applied weights.

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- 2. The method of claim 1, wherein the weights are determined depending on the sizes of red, green and blue sup-pixels, respectively.
- 15 3. The method of claim 1, wherein each of the weights has different value in each red, green, blue data.
 - 4. The method of claim 1, wherein the step of applying the weight includes:
- multiplying the fist weight to the red data; multiplying the second weight to the green data; and multiplying the third weight to the blue data.
- 5. The method of claim 4, wherein the step of calculating the APL includes:

APL for the green data and a third APL for the blue data; adding the first, the second, the third APLs for the

red, the green and the blue data to produce the summation therefor; and

calculating a mean value of the summation.

- 6. The method of claim 1, wherein the weights are changeable.
- 7. The method of claim 1, wherein the weights are changeable by users.
 - 8. An apparatus for calculating an Average Picture Level (APL) includes:
- means for applying a first, a second and a third weights to a red, a green and a blue data, respectively; and

an APL calculator for calculating the APL for the red, the green and the blue data with the applied weights.

- 9. The apparatus of claim 8, wherein the weights are determined depending on the sizes of red, green and blue sup-pixels, respectively.
- 10. The apparatus of claim 8, wherein the weights have different values in each red, green, blue data.
 - 11. The apparatus of claim 8, wherein the means for applying the weights includes:
- a first multiplier for multiplying the red data by the first weight;
 - a second multiplier for multiplying the green data by the second weight; and
 - a third multiplier for multiplying the blue data by the third weight.

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12. The apparatus of claim 11, wherein the APL calculator calculates a first APL for the red data, a second APL for the green data and a third APL for the blue data; adding

the first, second, third APLs for the red, the green and the blue data to produce the summation therefore; and calculating the mean value of the summation.

- 5 13. The apparatus of claim 8, wherein the weights are changeable.
 - 14. The apparatus of claim 8, wherein the weights are changeable by users.

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15. A plasma display includes:

means for applying a first, a second and a third weights to a red, a green and a blue data, respectively;

an APL calculator for calculating an APL for the red data, the green data and the blue data with the applied wights; and

a driving circuit for displaying a picture using the APL.

- 20 16. The plasma display of claim 15, wherein the weights are determined depending on the sizes of red, green and blue sup-pixels, respectively.
- 17. The plasma display of claim 15, wherein the weights have different values in the red, green, blue data, respectively.
 - 18. The plasma display of claim 15, wherein the means for applying weights includes:
- a first multiplier for multiplying the red data by the first weight;

a second multiplier for multiplying the green data by the second weight; and

- a third multiplier for multiplying the blue data by the third weight.
- 19. The plasma display of claim 18, wherein the APL calculator calculates a first APL for the red data, a second APL for the green data and a third APL for the blue data adds first, second, third APLs for the red, the green and the blue data to produce the summation therefore and calculates a mean value of the summation.

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- 20. The plasma display of claim 19, wherein the driving circuit differently controls the number of sustain pulses according to the mean value.
- 15 21. The method of claim 15, wherein the weights are changeable by users.